

**Notice of Allowability**

Application No.

10/736,710

Examiner

Mike Rahmjoo

Applicant(s)

SUZUKI ET AL.

Art Unit

2676

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/7/05.
2. ☒ The allowed claim(s) is/are 7-9,12-15 and 19-21.
3. ☒ The drawings filed on 17 December 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached:
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date <u>12/17/03</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                               | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|  | 9. <input type="checkbox"/> Other _____.   |

**DETAILED ACTION**  
**EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Rowan on 04/28/2005.

Please cancel claims 1- 6, 10- 11 and 16- 18, and amend claims 7, 12 and 19 as follows:

In the claims:

7. (As currently amended) line 10 after "...said frequency" please enter:

"wherein said gray scale processing circuit comprises:

a first dither coefficient generation circuit for generating a first dither coefficient;

a second dither coefficient generation circuit for generating a second dither coefficient different from said first dither coefficient; and

a dither adder for delivering a dithered video signal obtained by adding said first dither coefficient to said video signal when said frequency is lower than a predetermined frequency, while delivering a dithered video signal obtained by adding said second

dither coefficient to said video signal when said frequency is higher than said predetermined frequency”.

12. (As currently amended) line 12 after “...said frequency” please enter:

“wherein said gray scale processing circuit comprises:

a first dither coefficient generation circuit for generating a first dither coefficient;

a second dither coefficient generation circuit for generating a second dither coefficient different from said first dither coefficient; and

a dither adder for delivering a dithered video signal obtained by adding said first dither coefficient to said video signal when said frequency is lower than a predetermined frequency, while delivering a dithered video signal obtained by adding said second dither coefficient to said video signal when said frequency is higher than said predetermined frequency”.

19. (As currently amended) line 13 after “...said frequency” please enter:

“wherein said gray scale processing circuit comprises:

a first dither coefficient generation circuit for generating a first dither coefficient;

a second dither coefficient generation circuit for generating a second dither coefficient different from said first dither coefficient; and

a dither adder for delivering a dithered video signal obtained by adding said first dither coefficient to said video signal when said frequency is lower than a predetermined frequency, while delivering a dithered video signal obtained by adding said second dither coefficient to said video signal when said frequency is higher than said predetermined frequency”.

***Allowable Subject Matter***

Claims 7- 9, 12- 15 and 19- 21 are allowed.

The following is an examiner's statement of reasons for allowance:

None of the prior art, either singularly or in combination, fairly teaches or suggests applicant's claimed invention wherein applicant recites "a dither adder for delivering a dithered video signal obtained by adding said first dither coefficient to said video signal when said frequency is lower than a predetermined frequency, while delivering a dithered video signal obtained by adding said second dither coefficient to said video signal when said frequency is higher than said predetermined frequency."

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mike Rahmjoo whose telephone number is (571) 272-7789. The examiner can normally be reached on 6:30- 3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella can be reached on (571) 272- 7778. The fax phone number for the organization where this application or proceeding is assigned is (703) 872- 9306 for regular communications and After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-4357.

Mike Rahmjoo

May 3, 2005

  
MATTHEW C. BELLA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600